



High Energy Spectroscopic Imager (HESSI) Configuration Control Plan

HSI_SYS_020A.doc
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1. Responsibilities

The HESSI Mission System Engineer at Berkeley is responsible for overseeing the implementation of the Configuration Control Plan.

Current versions of all controlled documents shall be archived and made them available to the HESSI team.

New revisions of any controlled document must be submitted to the System Engineer, who shall:

- Determine who must review the document before sign-off, including:
 - All people on the document sign-off list
 - The lead for any subsystem effected by the change
 - The PI if a level 1 requirement is involved
- Distribute the modified document to these parties
- Receive positive concurrence from all parties
- Post the new document and notify the entire HESSI team

2. Controlled Documents

The following documents shall be covered by this plan:

- Mission Requirements Document
 - Documents level 1 (science & programmatic) and level 2 (subsystems) requirements
- Specifications:
 - Spacecraft Bus Specification
 - Imager Specification
 - Spectrometer Specification
 - IDPU Specification
 - Telemetry Format
 - Command Format
- Interface Control Documents:
 - IDPU to Spacecraft ICD
 - Imager Spacecraft ICD
 - Spectrometer to Spacecraft ICD
 - RAS to Spacecraft ICD
 - Imager / ADP to IDPU ICD
- Spacecraft to Antenna ICD
- I&T GSE to Spacecraft ICD

- ITOS / MOC to I&T GSE ICD
- MOC to FDF ICD
- MOC to Backup Antenna ICD
- SOC to SDAC / ETH ICD

- Resource Budgets:
 - Instrument Mass Budget
 - Instrument Power Budget
 - Spacecraft Mass and Power Allocation and Power System Performance
 - RF Link Budget
 - Instrument Performance Budgets:
 - Image Modulation Budget
 - Materials in FOV Budget

- Mission Plans and Policies:
 - Grounding Plan
 - Verification Plan
 - Operations Plan
 - Berkeley Performance Assurance Implementation Plan
 - Spectrum Astro Performance Assurance Implementation Plan
 - Safety Plan
 - Contamination Control Plan
 - Risk Management Plan